

A b s t r a c t

Disclosed is a protein having a splicing factor activity in plants, which

- 5 ⑩comprises the amino acid sequence of the protein according to Fig. 1A, or
- 10 ⑩comprises the sequence of the amino acids 1 to 4, 7 to 19, 45 to 52, 111 to 116, and 149 to 153 of the protein according to Fig. 1A and has more than 85% similarity with this protein, or
- 15 ⑩comprises more than 60% similarity with the splice proteins atSRp34/SR1 and SF2/ASF according to Fig. 2, wherein the G-rich sequence, which corresponds to the amino acids 85 to 113 of the atSRp34/SR1 protein is substituted by an S-rich sequence, or
- 20 ⑩corresponds to, or is derived from, the protein corresponding to Fig. 1A from a plant other than *Arabidopsis thaliana*.

20 Fig. 1